

What is claimed is:

1. A surface emitting device having a bar-shaped light source, a light guiding plate for entering a light of the light source from a lateral end surface and emitting the light from  
5 an emissive surface, and a cover for supporting the bar-shaped light source and the light guiding plate, wherein

the cover is made of a metal plate having spring characteristic, a substantially bracket-shaped cross sectional shape, a width of the bracket-shaped cover on a side  
10 of an opening portion is smaller than the width on the opposite side, and the cover covers the bar-shaped light source and the light guiding plate and pinches the light guiding plate by the opening portion of the bracket-shaped cover, so as to make the bar-shaped light source and the light guiding plate into close  
15 contact and support the both.

2. The surface emitting device, according to Claim 1, wherein

a protrudent portion is provided on an upper inner surface of the bracket-shaped cover at a position corresponding to a  
20 top of the bar-shaped light source, so as to pinch the bar-shaped light source, and the opening portion of the bracket-shaped cover pinches the light guiding plate, thereby making the bar-shaped light source and the light guiding plate into close contact and supporting the both.

25 3. The surface emitting device, according to Claim 1, wherein

the width of a distal end portion of the opening portion

of the bracket-shaped cover is made larger than the narrowest width of the cover.

4. The surface emitting device, according to Claim 1, wherein

5 a reflective film for reflecting a light from the light source is provided in an inner surface of the metal plate which forms the cover, having the spring characteristic.

5. The surface emitting device, according to Claim 1, wherein

10 the metal plate which forms the cover, having the spring characteristic, is made of stainless steel with mirror finished surface by electrolytic polishing.

6. The surface emitting device, according to Claim 1, wherein

15 the metal plate which forms the cover, having the spring characteristic, is made of low alloy steel chromeplated.

7. The surface emitting device, according to Claim 1, wherein

20 projections for pinching the lateral end portion of the light guiding plate therebetween in the width direction are provided on the both ends of the cover and by these projections, the light guiding plate is positioned in the width direction.

8. The surface emitting device, according to Claim 1, wherein

25 protrudent portions protruding in the width direction of the light guiding plate are formed in the both ends of the cover, projections are extended respectively from the protrudent

portions in a longitudinal direction of the light guiding plate or in a direction orthogonal to a longitudinal direction of the respective protrudent portions, and a space between the both projections is substantially identical to the width of  
5 the light guiding plate.

9. The surface emitting device, according to Claim 8, wherein

the projections are served as fit portions for fixing the surface emitting device to a case.

10 10. The surface emitting device, according to Claim 9, wherein

each of the projections is formed by a base extended from each end of the cover in a thickness direction of the light guiding plate, a fit plate extended from a distal end of the base in the longitudinal direction of the light guiding plate,  
15 a hook portion extended from an outward side of the fit plate and bent upwardly at a connected portion with the fit plate, and a hooked projection bent upward from a distal end portion of the fit plate.

20 11. A liquid crystal display, in which

the surface emitting device according to Claim 1 is provided in front of a liquid crystal display element.